

# DuraComm<sup>®</sup>

A MISSION CRITICAL ELECTRONICS BRAND

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## Rackmount Inverters

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MCE NETWORK & INDUSTRIAL POWER



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## Rackmount Inverters (400 & 800 W)

### Key Features

These 1RU, 400 & 800 W true-sine wave inverters are designed to provide seamless 120 VAC 50/60 Hz back-up power for AC powered communications equipment from the site's 48 VDC power system. Ensure equipment operation remains uninterrupted in the event of a power grid failure or if the site utility power is disconnected for maintenance or upgrade purposes.

- + True-sine wave output
- + Wide operating temp range
- + RMI-400W-1U features 4 NEMA 5-20R AC receptacles (1 front, 3 rear)
- + RMI-800W-1U features 8 NEMA 5-20R AC receptacles (2 front, 6 rear) in an A & B configuration
- + Standard 19" 1U rackmount
- + Built-in protection
  - + Input: reverse polarity/over voltage
  - + Output: short circuit/overload/over temperature



Front of RMI-400W-1U

### Electrical Specifications

Description	min	nominal	max
Input Voltage	40 VDC	48 VDC	66 VDC
Input Current		10 A	
Efficiency		93%	
Output Voltage		110 VAC	
Output Frequency		50/60 ±0.1 Hz	
Output Power		400 W / 800 W	
Waveform	True sine wave (THD <3%)		
Inline Fuse		10x2 A	

### Mechanical Specifications

Description	400 W	800 W
Dimensions (L x W x H)	13 x 19 x 1.75" (330 x 483 x 19.05 mm)	13 x 19 x 1.75" (330 x 483 x 19.05 mm)
Weight	3.9 lb (1.77 kg)	7.2 lb (3.27 kg)

### EMC Emission

Parameter	Standard	Test Level
Radiated	FCC	Test Level Class A
Harmonic Current	BS/EN61000-3-2	
Voltage Flicker	BS/EN6100-3-3	

### Environmental Specifications

Description	
Working Temperature	-4-158°F (-20-70°C)
Working Humidity	20-90% RH non-condensing
Storage Temperature	-30-158°F (-30-70°C)
Working Humidity	10-95% RH non-condensing
Vibration	10-500 Hz, 3G 10min/1 cycle, 60 min each along X, Y, Z axis

### Safety & EMC

Description	
Safety Standards	CB IEC62368
Withstand Voltage	DC I/P - AC O/P: 3.0KVac AC O/P - FG: 1.5 KVac

### EMC Immunity

BS EN/EN55024, BS EN/EN55035

Parameter	Standard	Test Level
ESD	BS/EN6100-4-2	Level 4, 15KV air; Level 4, 9KV contact
Radiated	BS/EN6100-4-3	Level 3, 10 V/m
Magnetic Field	BS/EN6100-4-8	Level 4, 30A/m